

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listing of claims in the application:

LISTING OF CLAIMS:

Claims 1 – 5 (Cancelled).

Claim 6 (Currently amended): A method of decoding a video bitstream that includes systematic forward error correction (FEC) codes, the method comprising the steps of:

receiving the video bitstream, which includes video data, at least one data packet and at least one header, at least one of the FEC codes corresponding to a subset of the video data is included in the data packets and a header code that specifies the subset of video data to which one or more of the FEC codes correspond, the subset of video data being one of motion vectors, DC coefficients, and header information;

retrieving video data and data packets from the video bitstream;

evaluating the video data to determine the presence of a corrupt portion thereof ~~and determining if the corrupt portion of video data corresponds to the subset of video data corresponding to the FEC codes;~~

determining the correspondence of the corrupt portion of the video data and the associated data packet;

retrieving at least one of the FEC codes from data packets of the video bitstream as specified by the header code responsive to the determination of correspondence of the corrupt portion of the video data with the FEC coded portion ~~in the video data evaluating step~~; and

correcting the corrupt portion of the video data in accordance with the at least one of the FEC codes to recover uncorrupted video data therefrom.

Claim 7 (Previously presented): The method as recited in Claim 6, wherein the FEC codes correspond to Bose-Chaudhuri-Hocquenghem (BCH) codes.

Claim 8 (Previously presented): The method as defined in claim 6, further comprising the steps of:

providing a buffer;

storing the video bitstream in the buffer;

retrieving in the video data retrieving step the video data from the buffer;

and

retrieving in the FEC codes retrieving step the at least one of the FEC codes from the buffer.

Claim 9 (Previously presented): The method as recited in claim 8, wherein the buffer is a ring buffer.

Claim 10 (Currently amended): The method as recited in claim 6, wherein the video bitstream is an encoded video object plane (VOP). ~~further comprising the steps of:~~

~~—— receiving in the video bitstream a packet for a video object plane (VOP) and a user data video packet associated with the VOP;~~
~~—— retrieving in the video data retrieving step the video data from the packet for the VOP; and~~
~~—— retrieving in the FEC codes retrieving step the at least one of the FEC codes from the user data video packet.~~

Claim 11 (Cancelled).

Claim 12 (Previously presented): The method as recited in claim 6, further comprising the step of concealing an error in a corresponding pixel with a gray color pixel when the portion of the video data cannot be recovered in the video data correcting step.

Claim 13 (Currently Amended): A method of decoding a video bitstream that includes systematic forward error correction (FEC) codes, the process comprising:

receiving the video bitstream, which includes both video data, systematic FEC codes corresponding to a subset of the video data and a header code that specifies the subset of video data to which one or more of the FEC codes correspond, the subset of video data being limited to one of motion vectors, DC coefficients, and header information;

retrieving video data from the video bitstream;

evaluating the video data to determine the presence of a corrupt portion thereof;

determining ~~from the header codes~~ the presence ~~in the video bitstream~~ of FEC codes corresponding to a the corrupt portion of the retrieved video data from the header codes from a user data video packet in the video bitstream, and if present, retrieving at least one FEC code from the user data video packet corresponding to the portion of retrieved video data from the video bitstream; and decoding the video data and reconstructing the corrupt portion of the video data in accordance with the corresponding at least one FEC code.

Claim 14 (Previously presented): The method as recited in claim 13, wherein the FEC codes correspond to Bose-Chaudhuri-Hocquenghem (BCH) codes.

Claim 15 (Previously presented): The method as recited in claim 13, further comprising the steps of:

providing a buffer;

storing the video bitstream in the buffer;

retrieving in the video data retrieving step the video data from the buffer;

and

retrieving in the FEC code retrieving step the at least one FEC code from the buffer.

Claim 16 (Previously presented): The method as recited in claim 15, wherein the buffer is a ring buffer.

Claim 17 (Currently amended): The method as recited in claim 13, further comprising the steps of:

receiving in the video bitstream a packet for a video object plane (VOP)

and a the user data video packet associated with the VOP;

retrieving in the video data retrieving step the video data from the packet for the VOP; and

retrieving in the FEC code retrieving step the at least one FEC code from the user data video packet.

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Claims 18 - 20 (Cancelled).